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urpose: PCR amplification with 20g enzyme +
different amount of Deep Vent.

Repeat of previous expt, 4 g points less.

200 μ M dNTP

2.5

0.4 μ M primers

50 μ g Template

2 mM Mg

20 Tag

1, 0.5, 0.2, 0.1, 0.05, 0.02, 0.01,
0.005, 0.002, 0.001, 0

1/10 diluted to 0.1 μ l \rightarrow 1/10 = 0.01 μ l \rightarrow 1/10 = 0.001 μ l
in 1x buffer w/o Mg.

prepared premix 25x, done in duplicate.
45 μ l of " + 5 μ l of different amount of enzyme.

H₂O

10x buffer 125 μ l

dNTP 10 mM 25

Mg 100 mM 25

primer 1 10.6

2 9.5

Template 25.0

112.5

added 2.5 μ l Tag = 250

removed 40 μ l = w/o any enzyme

After adding Tag, mixed & aliquoted 45 μ l / 2x to diff. tubes

added Deep Vent diluted different con.

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Used & Understood by me,

Date

1/9/95

Invented by

Recorded by

Ch. Sitarman

Date

12/27/94

12/28/94

